Sonika Finch

848 Spring Street NW Apt. 907 Atlanta, GA 30308 | (831) 233-1996 | U.S. Citizen | Singapore Citizen
sonika.finch1@gmail.com | https://www.linkedin.com/in/sonika-finch | https://sonikaf.github.io/ | https://github.com/sonikaf

Objective

Internationally experienced software engineer with 3+ years of developing high-quality, object-oriented code in multiple languages. A driven, quick learner who enjoys complex challenges and staying curious. Seeking full time employment starting Summer of 2018.

Education

GEORGIA INSTITUTE OF TECHNOLOGY | COLLEGE OF COMPUTING | ATLANTA, GA
· Bachelor of Science in Computer Science, **Major GPA: 3.59**   August 2014 - May 2018
· Threads: People & Information Internetworks

Experience

PROTIVITI, ATLANTA, GA
Intern, Data & Analytics - Business Intelligence Solution   June 2017 – August 2017
· Developed BI reporting dashboards with jQuery to automate data reporting for each U.S. office and save Protiviti about $300,000 a year
· Worked as a consultant on a team of four to redesign Nielsen's BI reporting, focused on data warehousing and data migration to AWS

THE WALLACE H. COULTER DEPARTMENT OF BIOMEDICAL ENGINEERING, ATLANTA, GA
Undergraduate Researcher for Dr. Michelle LaPlaca   January 2017 – Present
· Collaborated with team of Georgia Tech researchers to improve on-the-field concussion diagnosis in American football
· Created a Microsoft Access database for years of hit testing results and designed custom macros for researchers to manipulate the data

VENTURE CORPORATION LIMITED, SINGAPORE
Firmware Engineering Intern, Research & Development Department   June 2015 – July 2015
· With a team of four engineers, designed a new and improved DNA thermocycler
· Created a comprehensive UI dashboard with Java in Android Studio that represented the medical data intuitively for doctors' use

Projects

H.E.R.O FOR CHILDREN, ATLANTA, GA
Team Lead, Epic Intentions   January 2017 – May 2017
· Managed an interdisciplinary team of seven Georgia Tech volunteers in a scrum environment project creating the charity H.E.R.O.'s DBMS
· Designed and implemented a MySQL database to help H.E.R.O. apply for critical grants and manage their many programs
· Led the team in developing the Python desktop application that allows for users to search the database

ALLIANCE SURVIVOR RESOURCES, ATLANTA, GA
Lead Backend Developer, Epic Intentions   August 2016 – December 2016
· Volunteered with six Georgia Tech students to create a web app using HTML, CSS, Google Maps API, and Flask with a MySQL database
· Responsible for leading the three-person backend development team and spent an average of five hours a week building the project
· The web app allows Alliance to comment on, bookmark, and search for resources based on their category, location, and keyword

WATER, ATLANTA, GA
CS 2340, Georgia Tech   August 2016 – December 2016
· Crowdsourced safe water location app created in response to NASA's clean water mapping challenge
· Developed with a team of five Georgia Tech students in a scrum environment using Java, JavaFx, and Google Maps API

GT TRAVEL, BARCELONA, ES
CS 4400, Georgia Tech Barcelona Study Abroad   May 2016 – August 2016
· Travel review application that allows users to rate and write reviews about different destinations and search based on location
· Led backend development with a team of five Georgia Tech students on the Python GUI and MySQL database

Technical Skills

PROGRAMMING LANGUAGES
· Proficient: Java, Python, SQL
· Familiar: C, HTML, CSS, JavaScript
· Some Experience: PHP, JSON, XML, and MATLAB

SOFTWARE & FRAMEWORKS
· Proficient: Git, MySQL, Android Studio, Tkinter, Bootstrap, LaTeX
· Familiar: JavaFX, Microsoft Access, SAP Data Services Designer
· Some Experience: jQuery, AngularJS, SAP BusinessObjects Design Studio